

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/000795

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>LE POUL EMMANUEL ET AL: "Adaptation of aequorin functional assay to high throughput screening" JOURNAL OF BIOMOLECULAR SCREENING, vol. 7, no. 1, February 2002 (2002-02), pages 57-65, XP009055395 ISSN: 1087-0571 the whole document</p>	1-5,21, 31,32, 43-46
X	<p>BRINI M ET AL: "Nuclear targeting of aequorin: A new approach for measuring nuclear Ca-2+ concentration in intact cells" CELL CALCIUM, vol. 16, no. 4, 1994, pages 259-268, XP009055350 ISSN: 0143-4160 the whole document</p>	31-34,42
X	<p>CHIESA A ET AL: "RECOMBINANT AEQUORIN AND GREEN FLUORESCENT PROTEIN AS VALUABLE TOOLS IN THE STUDY OF CELL SIGNALLING" BIOCHEMICAL JOURNAL, THE BIOCHEMICAL SOCIETY, LONDON, GB, vol. 355, no. 1, 1 April 2001 (2001-04-01), pages 1-12, XP009013205 ISSN: 0264-6021 figure 2</p>	31,32,43
A	<p>US 6 566 083 B1 (THASTRUP OLE ET AL) 20 May 2003 (2003-05-20)</p>	

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International application No.  
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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-5 and 44-46 (all partly)

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

Invention 1: Claims 1-5 and 44-46 (all partly).

A method for the screening of molecules that can modify intracellular parameters characterised in that the second messenger itself causes a proportional variation in the intracellular  $Ca^{2+}$  concentration.

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Invention 2: Claims 6-21, 47-50 and 1-5, 44-46 (partly)

A method for the screening of molecules that can modify intracellular parameters characterised in that a chimeric recombinant  $Ca^{2+}$  sensitive photo-protein probe is used comprising an cellular effector and  $Ca^{2+}$  sensitive photo-protein.

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Invention 3: Claims 22-30, and 1-5 (partly).

A method for the screening of molecules that can modify intracellular parameters characterised in that a recombinant receptor is used that comprises an intracellular portion that is capable of inducing a variation in the intracellular  $Ca^{2+}$  concentration.

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Invention 4: Claims 34-42, and 31-33, 43 (partly).

A  $Ca^{2+}$  sensitive photo-protein probe characterised in that it comprise an effector portion and a  $Ca^{2+}$  sensitive photo-protein portion.

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Invention 5: Claims 31-33 and 43 (all partly)

A  $Ca^{2+}$  sensitive photo-protein probe characterised in that it comprises a  $Ca^{2+}$  sensitive photo-protein portion and a signal sequence.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International

Application No

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 03082904	A	09-10-2003	AU	2003224694 A1	13-10-2003
US 6566083	B1	20-05-2003	US	5958713 A	28-09-1999